

US EPA ARCHIVE DOCUMENT



Surface Water Sampling Report

| | |
|---------------|---------------------------|
| Sample Number | NCA10-1481-C-SWA-09192010 |
| Medium | Water |
| City, State | Santa Rosa Beach, Florida |
| Latitude | 30.429073 |
| Longitude | -86.207513 |
| Sample Date | 9/19/2010 |

| Impacts on Aquatic Life | | |
|--|-----------------------------------|---|
| Benchmark Levels | Level of Concern for Aquatic Life | Impacts on Aquatic Life |
| Below EPA risk-based guidelines and state water quality standards for protection of aquatic life. | Low | Below levels that pose problems for aquatic life. |
| Above EPA risk-based guidelines or state water quality standards for chronic exposure. | Moderate | Levels that might impact the health, growth or reproductive activity of aquatic life if exposed for an extended period of time. |
| Above EPA risk-based guidelines or state water quality standards for acute exposure or failed a toxicity test. | High | Elevated potential for mortality among aquatic life |

To know more about Water Benchmarks for Aquatic Life by Chemical
<http://www.epa.gov/bpspill/water-benchmarks.html>

To know more about Human Health Benchmarks by Chemical
<http://www.epa.gov/bpspill/health-benchmarks.html>

| Category | Acute Ratio About this | Exceeds Acute Ratio? | Chronic Ratio About this | Exceeds Chronic Ratio? |
|-------------------------------|---|----------------------|---|------------------------|
| Oil Related Organic Compounds | .126 | No | .526 | No |

| Contaminant Name | CAS Number | Result | Unit | Exceeds Human Health Benchmark? About this | Get More Information about this Chemical |
|------------------|------------|--------|------|--|---|
| Fluoranthene | 206-44-0 | .1 | ug/L | | ATSDR CAMEO Chemicals EPA SRS |
| Pyrene | 129-00-0 | .36 | ug/L | No | ATSDR CAMEO Chemicals EPA SRS |